Listing of Claims:

1   **Claim 1 (currently amended):**   An information providing

2   apparatus for acquiring contents data representing a high

3   quality still image from a service providing apparatus capable

4   of storing the contents data and of transmitting the contents

5   data in response to a request from a remote user terminal, and

6   for providing the contents data to the remote user terminal,

7   said information providing comprising:

8   reproducing means for reproducing the contents data;

9   picture data relaying means for relaying still picture

10   data obtained from the contents data reproduced by

11   the reproducing means;

12   moving picture coding means for producing compressed

13   moving picture data using a moving picture coding

14   format and having a high image quality from the

15   still picture data coded using a still picture

16   coding format and obtained from said picture data

17   relaying means, said producing being performed by

18   way of a stepwise image quality complementary type

19   coding system for complementing an image quality in

20   a stepwise manner, and for transmitting the

21   compressed moving picture data to the user terminal

22   to display a still display picture using said moving

23   picture coding format; and

24   control means for determining an area of the still

25   picture data coded into the compressed moving

26   picture data in response to a user selection of a

27   portion of the still display picture made from the

28   remote user terminal, and for notifying the selected

29   area to the moving picture coding means.

1   **Claim 2 (previously presented):** An information providing

2   apparatus as claimed in claim 1, wherein

3   said control means is capable of producing a control

4   signal used to change the reproducing state of the

5   reproducing means by receiving a manipulation of the

6   user terminal, and is capable of transmitting the

7   control signal to the reproducing means; and wherein

8   the moving picture coding means produces compressed

9   moving picture data from said still picture data,

10   the content of which is sequentially changed by

11   changing a setting condition of a coding process

12   operation.

1   **Claim 3 (previously presented):** An information providing

2   apparatus as claimed in claim 1, wherein the moving picture

3   coding means also produces audio data having a designated data

4   format from audio data contained in the contents data, and

5   also produces multiplexed AV data by multiplexing the

6 compressed moving data with the audio data, and transmits the

7 multiplexed AV data to the user terminal.

1   **Claim 4 (currently amended):**   An information providing

2 apparatus for providing data to a remotely located user

3 terminal in response to a request, comprising:

4   storing means for storing contents data including still

5   picture data;

6   reproducing means for reproducing the contents data;

7   picture data relaying means for relaying the still

8   picture data originated from the contents data

9   reproduced by the reproducing means;

10   moving picture coding means for producing compressed

11   moving picture data <u>coded using a moving picture</u>

12   <u>coding format and</u> having a high image quality from

13   the still picture image data <u>coded using a still</u>

14   <u>picture coding format and</u> by way of a stepwise image

15   quality complementary type coding system for

16   complementing an image quality in a stepwise manner,

17   and for transmitting the compressed moving picture

18   data to the remotely located user terminal for

19   displaying a still display image <u>using said moving</u>

20   <u>picture coding format</u>; and

21   control means for determining an area of still picture

22   data coded into the compressed moving picture data

23   in response to a user selection of a portion of the

24   still display image made from the remote user

25   terminal, and for notifying the selected area to the

26   moving picture coding means.

1   **Claim 5 (previously presented):** An information providing

2 apparatus as claimed in claim 4, wherein

3   said control means is also for producing a control signal

4   used to change the reproducing state of the

5   reproducing means by receiving a manipulation of the

6   user terminal, and is further for transmitting the

7   control signal to the reproducing means; and wherein

8   the moving picture coding means produces compressed

9   moving picture data from the still picture data, the

10   content of which is sequentially changed by changing

11   a setting condition of coding process operation.

1   **Claim 6 (previously presented):** n information providing

2 apparatus as claimed in claim 4, wherein the moving picture

3 coding means also produces audio data having a designated data

4 format from audio data contained in the contents data, and

5 also produces multiplexed AV data by multiplexing the

6 compressed moving picture data with the audio data, and also

7 transmits the multiplexed AV data to the user terminal.

1   **Claim 7 (currently amended):** An information providing

2 system for acquiring content data from a service providing

3 system and for providing a communication service to a remotely

4 located mobile terminal, wherein the content data represents a

5 high quality still image <u>coded using a still picture coding</u>

6 <u>format</u>, said information providing system comprising:

7   moving picture coding means for producing compressed

8   moving picture data <u>coded using a moving picture</u>

9   <u>coding format</u> from the content data using a stepwise

10   image quality complementary coding system; and

11   transmitting means for transmitting the compressed moving

12   picture data to the mobile terminal, wherein

13   the mobile terminal displays a still display image

14   representing the high quality still image from the

15   compressed moving picture data <u>using said moving</u>

16   <u>picture coding format</u>, such that image processing of

17   the content data is primarily conducted by the

18   information providing system to thereby reduce a

19   processing load and/or a memory requirement on the

20   mobile terminal.

1   **Claim 8 (previously presented):** The system of claim 7,

2 wherein the mobile terminal displays the display image in

3 progressively more detail over some period of time.

1   **Claim 9 (previously presented):** The system of claim 7,

2 wherein the mobile terminal is a mobile terminal capable of

3 displaying compressed moving picture images.

1   **Claim 10 (previously presented):** The system of claim 9,

2 wherein the mobile terminal is a PDA or a portable telephone.

1   **Claim 11 (previously presented):** The system of claim 7,

2 wherein the mobile terminal is a PDA or a portable telephone.

1   **Claim 12 (previously presented):** The system of claim 7,

2 further comprising control means for determining an area of a

3 portion of the display image, wherein the portion is chosen by

4 a user manipulation at the mobile terminal, and wherein the

5 control means provides the determined area to the moving

6 picture coding means.

1   **Claim 13 (currently amended):** An information providing

2 system for acquiring content data from a service providing

3 system and for providing a communication service to a remotely

4 located mobile terminal capable of displaying compressed

5 moving picture data and connected to a communication network,

6 wherein the content data represents a high quality still image

7 coded using a still picture coding format, said information

8 providing system comprising:

9   moving picture coding means for producing compressed

10   moving picture data <u>coded using a moving picture</u>

11   <u>coding format</u> from the content data using a stepwise

12   image quality complementary coding system; and

13   transmitting means for transmitting the compressed moving

14   picture data to the mobile terminal via the

15   communication network such that image processing is

16   conducted at the information providing system to

17   thereby reduce a processing load and/or a memory

18   requirement on the mobile terminal, and wherein

19   the mobile terminal displays a still display image

20   representing the high quality still image from the

21   compressed moving picture data <u>using said moving</u>

22   <u>picture coding format</u>.

1   **Claim 14 (previously presented):** The system of claim 13,

2   wherein the mobile terminal is a PDA or a portable telephone.

1   **Claim 15 (previously presented):** The system of claim 13,

2   wherein the mobile terminal displays the still display image

3   in progressively more detail over some period of time.

1   **Claim 16 (previously presented):** The system of claim 13,

2   further including control means for determining an area of a

3   portion of the display image, wherein the portion is chosen by

4   a user manipulation at the mobile terminal, and wherein the

5   control means provides the determined area to the moving

6   picture coding means, which then produces new compressed

7   moving picture data from the content data using the stepwise

8   image quality complementary coding system, wherein the new

9   compressed moving picture data corresponds to the chosen

10   portion of the display image for displaying the chosen portion

11   on the mobile device in a larger fashion.

1   **Claim 17 (currently amended):** A system comprising:

2   a mobile terminal including telephone capability for

3   connecting to a telephone network and capable of

4   displaying compressed moving picture data;

5   a service providing system for providing content data

6   representing a high quality still image <u>coded using</u>

7   <u>a still picture coding format</u> as a service; and

8   an information providing system for acquiring the content

9   data from the service providing system and for

10   providing a communication service to the mobile

11   terminal, said information providing system

12   including:

13   moving picture coding means for producing compressed

14   moving picture data <u>coded using a moving</u>

15   <u>picture coding format</u> from the content data for

16   providing compressed moving picture data to the

17 mobile terminal for display on the mobile

18 terminal,

19 transmitting means for transmitting the compressed

20 moving picture data to the mobile terminal,

21 wherein the mobile terminal displays a still

22 display image representing the high quality

23 still image from the compressed moving picture

24 data using said moving picture coding format,

25 control means for determining an area of the still

26 picture data coded into the compressed moving

27 picture data in response to a user selection of

28 a portion of the still display image from the

29 user terminal, and for notifying the selected

30 area to the moving picture coding means,

31 wherein

32 the moving picture coding means then produces new

33 compressed moving picture data from the content

34 data corresponding to the user selected portion

35 of the display image for displaying the

36 selected portion on the mobile terminal in a

37 larger fashion as a zoomed still image; wherein

38 the information providing system operates such that

39 a primary portion of image processing of the

40 content data is conducted at the information

41 providing system to thereby reduce a processing

42   load and/or a memory requirement on the mobile

43   terminal.